MAGNETIC SENSOR ADJUSTING METHOD, MAGNETIC SENSOR ADJUSTING DEVICE AND MAGNETIC SENSOR

ABSTRACT OF THE DISCLOSURE

The present invention provides a magnetic sensor adjusting method that can always be accurate in sensing a sensing target satisfactorily irrespective of fluctuations of a sensing gap length that may occur between different magnetic sensor products or in one magnetic sensor product, and that can prevent from occurring an irregularity of a phase of a binarized waveform edge. Within a magnetic gap of the magnetic sensor, a sensing gap length formed between a concave and convex portions of a sensing target units and a magnetic filed detecting sections is changed among a plurality of setting values. Then, the magnetic filed detecting sections 3, 5 obtain detection waveforms 201, 202 in every setting values of the sensing gap length. Next, an intersection point level value AG0 obtained by superimposing the plurality of detection waveforms in phase is calculated. Then, a threshold value V_{TH} is adjusted so as to agree with the calculated intersection point level value AG0.